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(54) METHOD AND CIRCUIT FOR SYNCHRONIZING PILOT SIGNAL BETWEEN BASE STATIONS

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method and a circuit for base station-to-base station synchronization of a pilot signal which guarantees that respective base stations can output pilot signals having a determined phase difference synchronously.

SOLUTION: A base station that a terminal station identifies according to the phase difference between pilot signals from different base stations is equipped with a GPS receiving circuit 1 which receives a GPS signal of a GPS satellite and outputs UTC(universal time count) pulses synchronized with the UTC time, a base station-to-base station synchronizing pulse generating circuit 2 differentiates the UTC pulses in synchronism with a clock CLK and outputs a base station-to-base station synchronizing pulse SYSTEM0, a phase difference generating circuit 3 which has values NUM determined at respective base stations, initializes a count value CNT when the base station-to-base station synchronizing pulse SYSTEM0 is inputted and counts the clock CLK, and outputs a phase pulse Pulse when the count value CNT becomes equal to a value NUM, and a pilot signal generating circuit 4 which sends a pilot signal when the phase pulse Pulse is inputted.

